

ABSTRACT

5 A method for the identification and characterization of a
receptor in target tissue for which a selected vector has
affinity, wherein a transfected cell line expressing the
receptor is added to a suspension of encapsulated
microbubbles to which the selected vector is coupled and
allowing the microbubbles and cells coupled thereto to
float to the surface of the suspension. Upon isolating
10 the microbubble-bound cells at the surface, these may be
cultured to study the receptor, or cells may be lysed,
amplifying the receptor-encoding cDNA and sequencing the
cDNA.